CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.10/NV/CSR-10/652i/CEMENT/2014-15 Date: 18.10.2014

TEST REPORT ON CEMENT

* CUSTOMER	:	**Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
*AGENCY	:	**Mr. N. Vijay** No. 03, 2nd Main Road, 3rd Cross, Nagappa Block, Srirampuram, Bangalore - 21.
*NAME OF THE WORK	:	Improvements to roads and drains at Gopalappa Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division, BBMP, Bangalore.
REFERENCE	:	AEE/BBMP/VRPSD/PR/333/1/2014-15 Dated: 15.10.2014
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	15.10.2014
PERIOD OF TESTING	:	15.10.2014 to 18.10.2014

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	175 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	455 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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VISHWANATH. I.A.
Chief Executive Officer

18/10/14.
AE-10

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Job No.: CTCE/BBMP/W.No.10/NV/CSR-10/652i/SAND-Gradation/2014-15 : 18.10.2014

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

*** Customer** : **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.

*** Agency** : **Mr. N. Vijay**
No. 03, 2nd Main Road, 3rd Cross, Nagappa Block, Srirampuram, Bangalore - 21.

*** Name of Work** : Improvements to roads and drains at Gopalappa Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/VRPSD/PR/333/1/2014-15 Dated: 15.10.2014

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 15.10.2014

Date of Testing : 18.10.2014

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.20	90-100	90-100	90-100	95-100
2.36	79.50	60-95	75-100	85-100	95-100
1.18	58.90	30-70	55-90	75-100	90-100
600 Micron	40.00	15-34	35-59	60-79	80-100
300 Micron	13.50	5-20	8-30	12-40	15-50
150 Micron	3.30	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

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Job No.: CTCE/BBMP/W.No.10/NV/CSR-10/652i/AGG/GR/2014-15 : 18.10.2014

TEST REPORT ON COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Vidyaranyapura Sub Division, BBMP, Bangalore.
* Agency	: **Mr. N. Vijay** No. 03, 2nd Main Road, 3rd Cross, Nagappa Block, Srirampuram, Bangalore - 21
* Name of Work	: Improvements to roads and drains at Gopalappa Garden in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division, BBMP, Bangalore.
Reference	: AEE/BBMP/VRPSD/PR/333/1/2014-15 Dated: 15.10.2014
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (40mm)
Sample Received on	: 15.10.2014
Date of Testing	: 18.10.2014

Total Wt. of Aggregates in gms= **10000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	96.38	95-100	85-100
20	47.86	30-70	0-20
10	12.60	10-35	0-5
4.75	1.96	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

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